

BURIED ALIVE

A SURVIVOR'S STORY

Welcome!

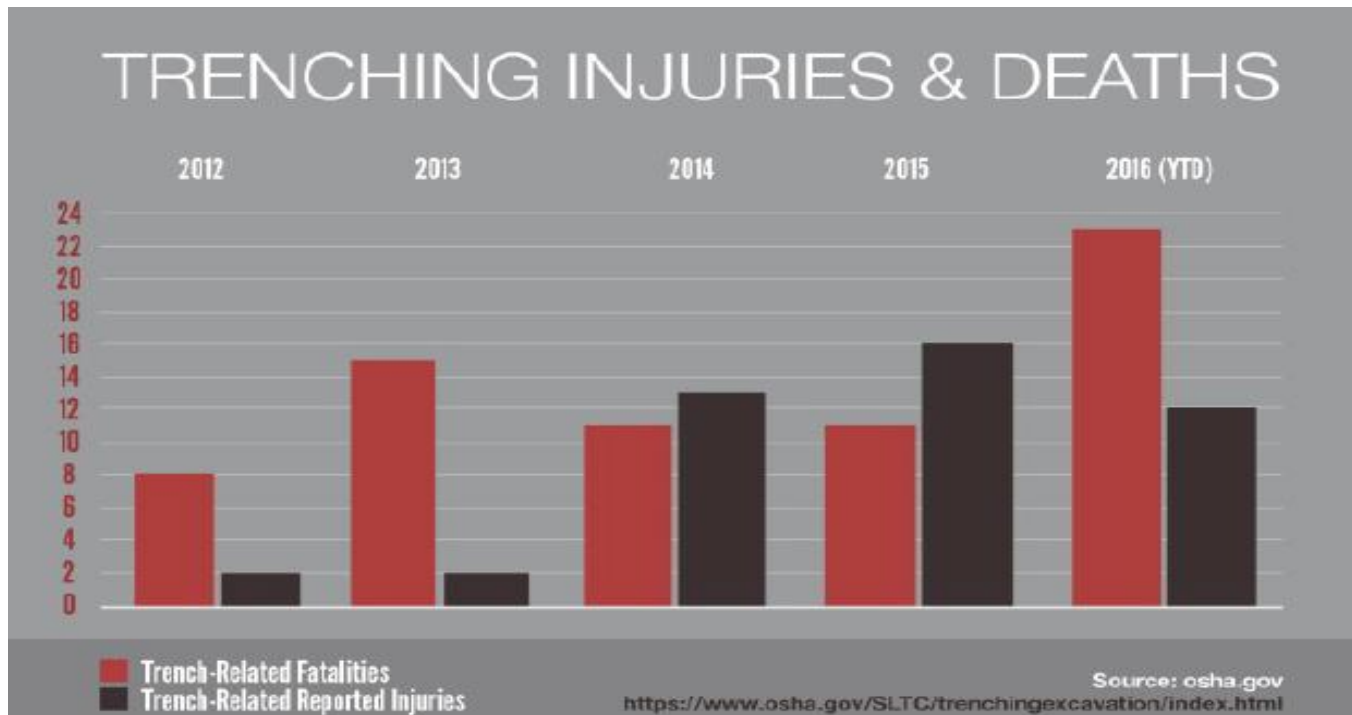
by

JOE TANTARELLI



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Ohio worker's death highlights grim 2016 national stat:
trench collapse fatalities have more than doubled
OSHA cites 33-year-old man's employer for willful, serious safety violations



November 17, 2016

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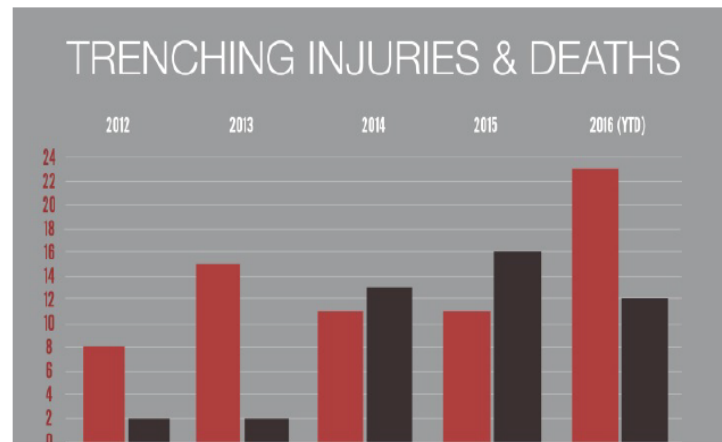
Ohio worker's death highlights grim 2016 national stat: trench collapse fatalities have more than doubled *OSHA cites 33-year-old man's employer for willful, serious safety violations*

WASHINGTON TOWNSHIP, Ohio - OSHA cited an Ohio company after a 33-year-old employee was crushed to death in June 2016 as he was digging soil out of the 12-foot trench in Washington Township, when the trench walls around him collapsed - burying him in thousands of pounds of dirt. Rescue workers recovered his body a few hours later.

He is one of 23 workers killed, and 12 others who reported injuries in trench collapses in 2016. Trench collapses are rarely survivable. One cubic yard of soil can weigh up to 3,000 lbs. - the weight of a small automobile - giving a worker in a trench little chance of survival when walls of soil collapse.

"Trench deaths have more than doubled nationwide since last year - an alarming and unacceptable trend that must be halted," said Dr. David Michaels, assistant secretary of labor for the Occupational Safety and Health Administration. "There is no excuse. These fatalities are completely preventable by complying with OSHA standards that every construction contractor should know."

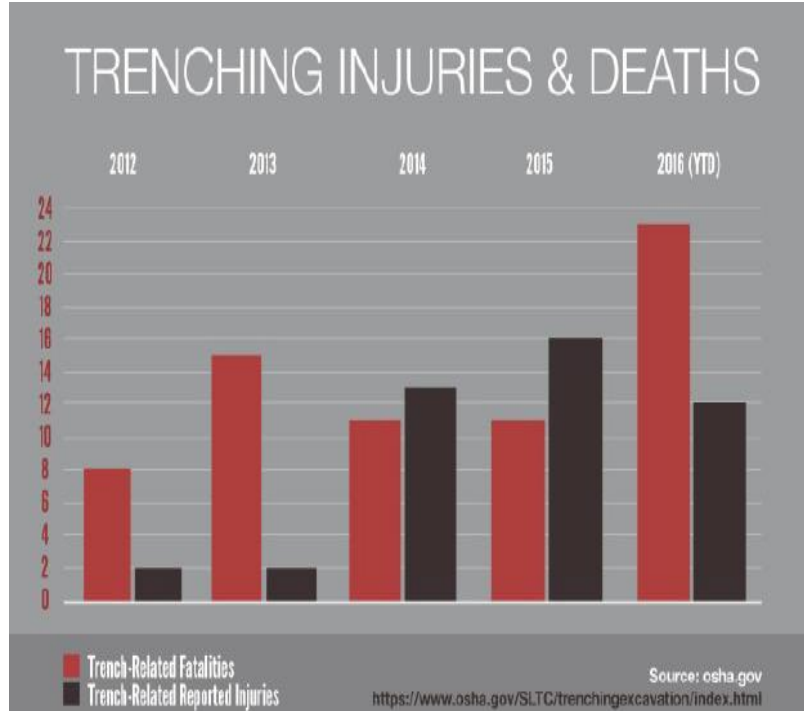
An investigation by the U.S. Department of Labor's Occupational Safety and Health Administration found his employer, KRW Plumbing LLC, did not provide trench cave-in protection for its employees. OSHA cited the company for two willful and two serious safety violations on Nov. 8, 2016, after the agency completed its investigation into the June 15, 2016, death and a subsequent investigation opened in October 2016.



Do you think this was his first encounter with a trench collapse?

**Ohio worker's death highlights grim 2016 national stat:
trench collapse fatalities have more than doubled**

OSHA cites 33-year-old man's employer for willful, serious safety violations



- In the first five months of 2017, 15 deaths and 19 injuries related to trench and excavation operations have been reported nationwide.

Sioux Falls Construction Worker Dies Following Trench ...

www.kdlt.com/2018/05/03/sioux-falls-construction...

SIOUX FALLS, S.D. – Sioux Falls police have confirmed with KDLT News that a construction worker has died following a **trench collapse** at a job site in southeastern Sioux Falls.

Twenty-year-old construction worker killed in Baltimore ...

www.wsbs.org/en/articles/2018/06/08/deat-j08.html

Twenty-year-old construction worker killed in Baltimore **trench collapse** By Jessica Goldstein 8 June 2018 A 20-year-old construction worker was found dead at the bottom of a deep **trench** at a Baltimore construction site early Wednesday morning.

Investigation into fatal trench collapse at Baltimore park ...

www.baltimoresun.com/news/maryland/baltimore-city/bs-md...

City fire officials said the 15-foot **trench** Hancock was working in had no protective shoring in place, despite a federal law that requires walls, slopes and other shields to stop the earth from collapsing. Digging trenches is considered dangerous work with dozens of people across the country killed each year in collapses.

OSHA QuickTakes - Bi-Weekly E-News Memo | Occupational Safety ...

www.osha.gov/as/opa/quicktakes/qt060418.html

OSHA's National Focus on Preventing Trenching Fatalities Includes Workshop and Safety Stand-Down. As a result of a rise in preventable trench-related fatalities, such as the tragic incident in Alabama described in this issue, OSHA has made trench safety an agency priority.

Worker's body found after trench collapse at construction ...

www.ocregister.com/2018/05/09/worker-buried...

Worker's body found after **trench collapse** at construction site in Lake Forest ... These are Disneyland's new Halloween popcorn buckets for 2018

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ALL ABOUT

Joe Tantarelli

5

- Workplace Safety Consultant and Implementation Specialist.
- Site Development (Earth Moving and Excavation) Construction for nearly 40 years. From shovel to General Manager.
- Safety and Production Training Specialist for Site Development and Municipal Infrastructure.
- Damage Prevention Manager



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Complacency in the Workplace

By Gary A. Higbee



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Conference Speaker

- Army Corps of Engineers Construction Roundtable,
- Kentucky's Governor's Safety and Health Conference,
- Ohio BWC Safety Expo,
- Kentucky League of Cities Insurance Services,
- Georgia Safety Health and Environmental Conference,
- Keynote and Breakout Sessions at ASSE Conferences,
- National Safety Council Conference,
- Numerous Safety Expos across North America.



The 4 States



These four states...

- ☒ Rushing
- ☒ Frustration
- ☒ Fatigue
- ☒ Complacency

can cause or contribute to these critical errors...

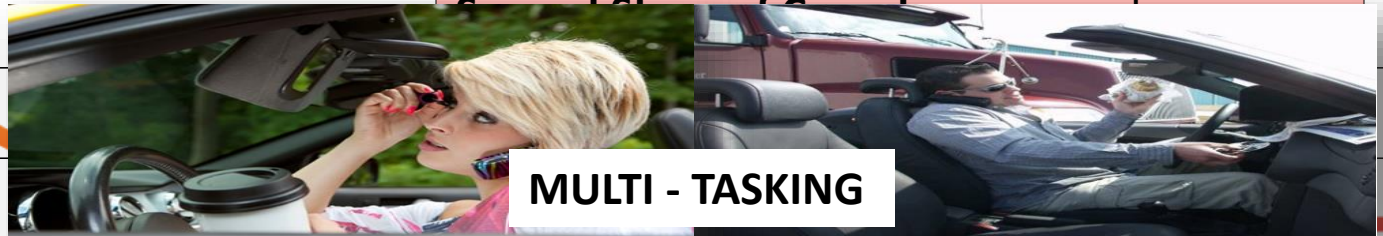
- ☐ Eyes not on Task
- ☐ Mind not on Task
- ☐ Line-of-Fire
- ☐ Balance/Traction/Grip

...which increase the risk of injury.

Awareness/Complacency Continuum

Awareness: risk consciousness while driving, working, walking, biking, etc.

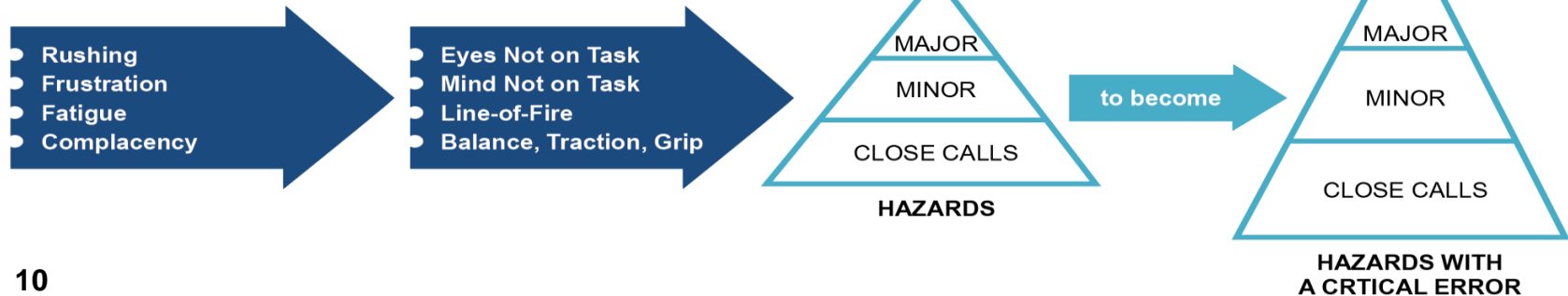
First Stage of Complacency: no longer pre-occupied with the risk so your mind can wander



Time

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STATES
cause
ERRORS,
which
in turn
INCREASE RISK



The 4 States



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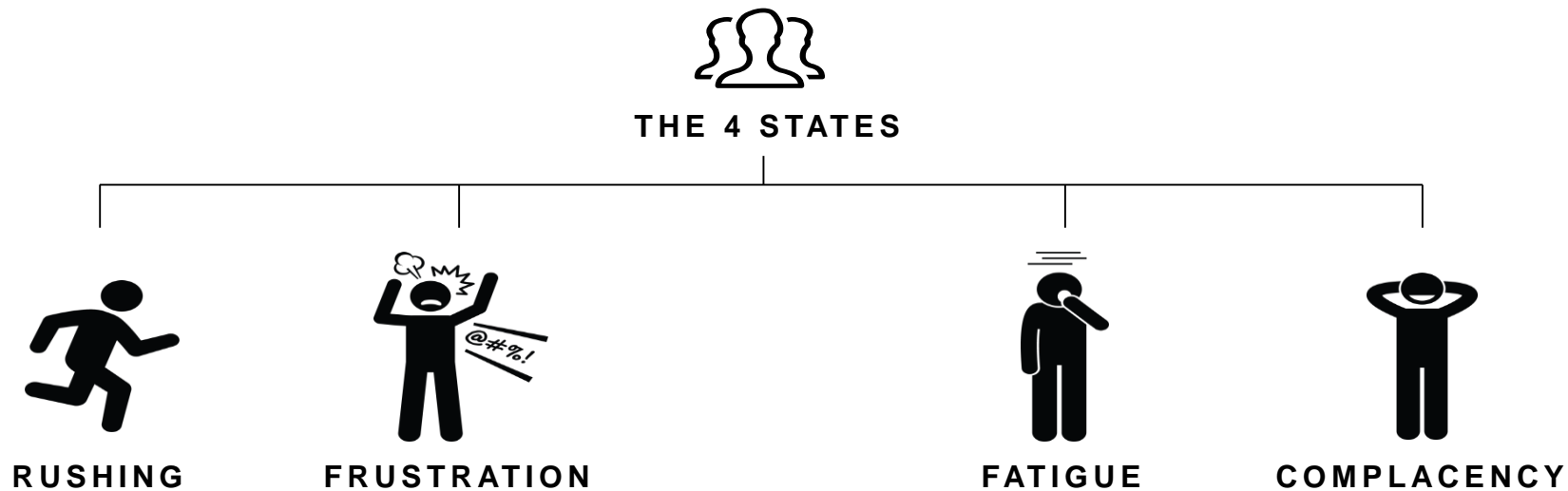
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The 4 Errors



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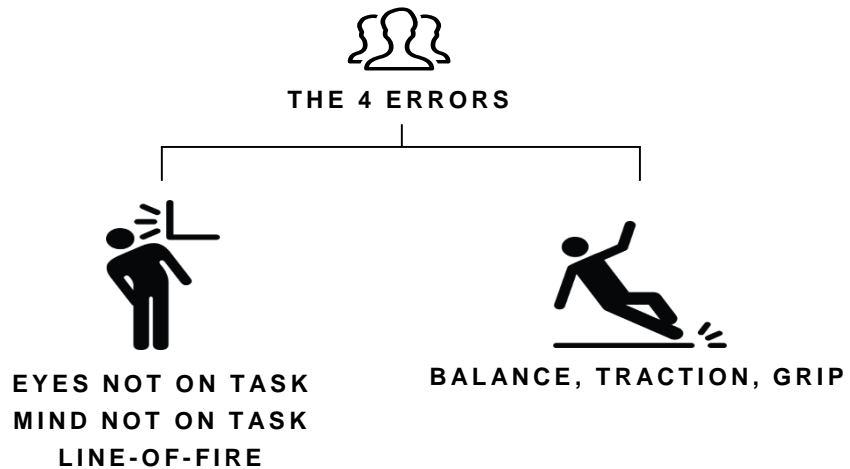
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Let's Go Back In Time

Way back.

OK. Not quite that far back!



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1983

June
6th

That's more like it.



My Story

These four states...

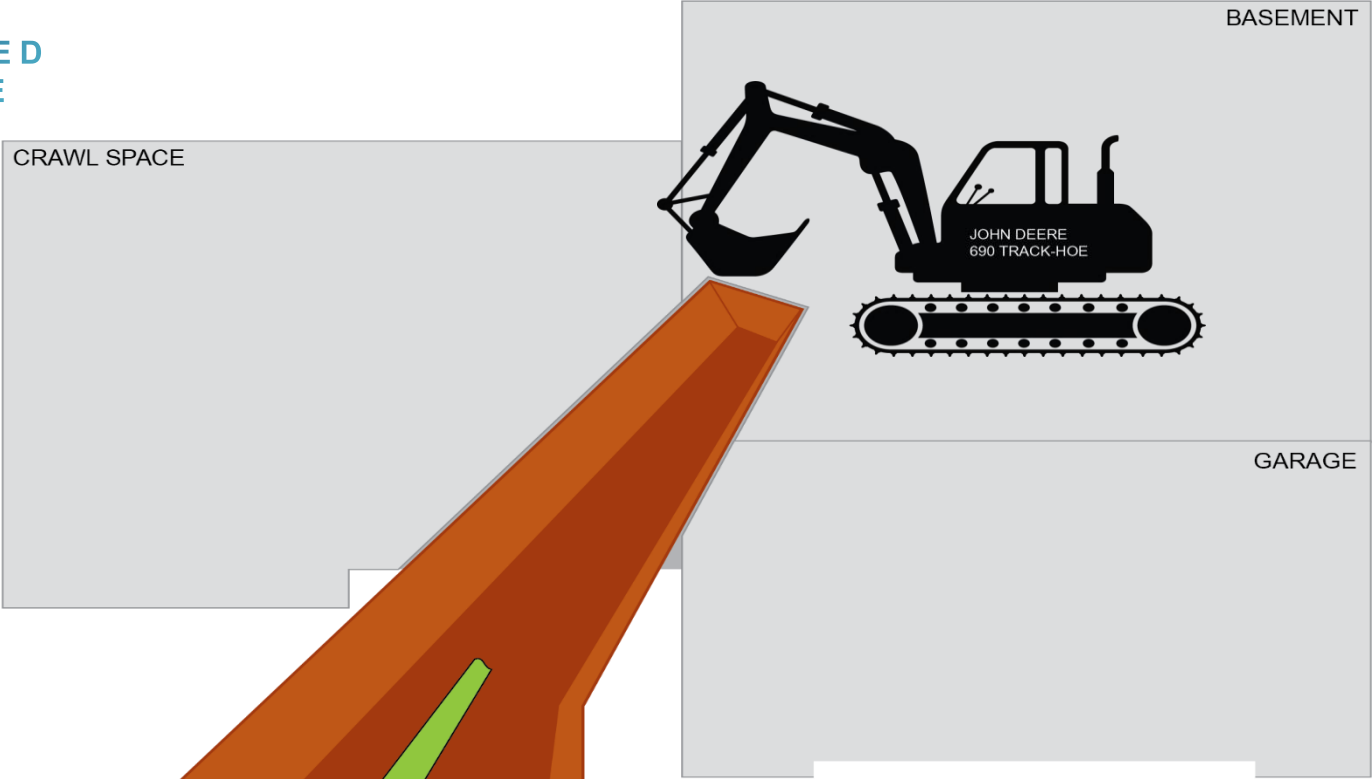
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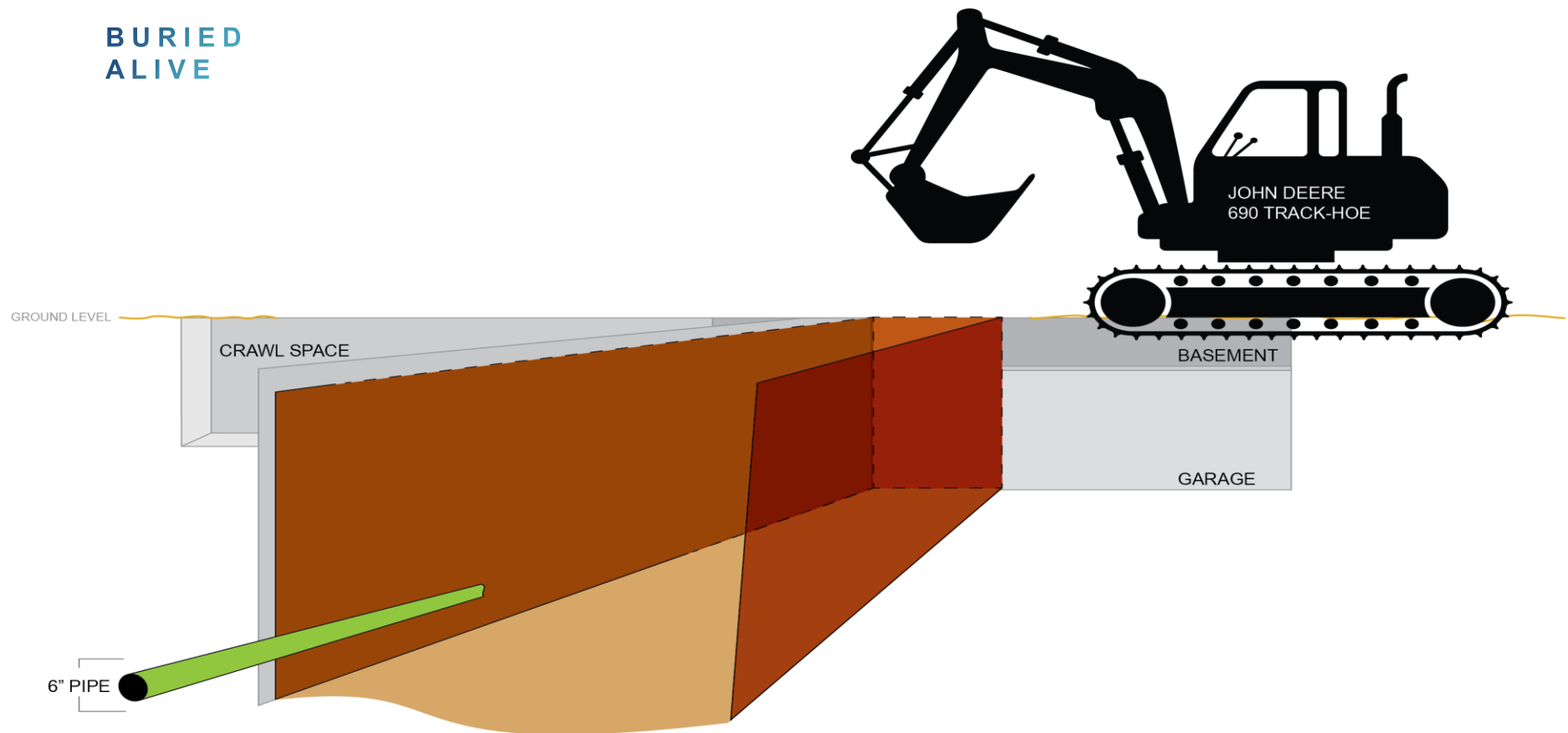
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*...which increase the
risk of injury.*

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When Disaster Strikes

It's in this moment when you realize that every second matters
when saving someone's life...

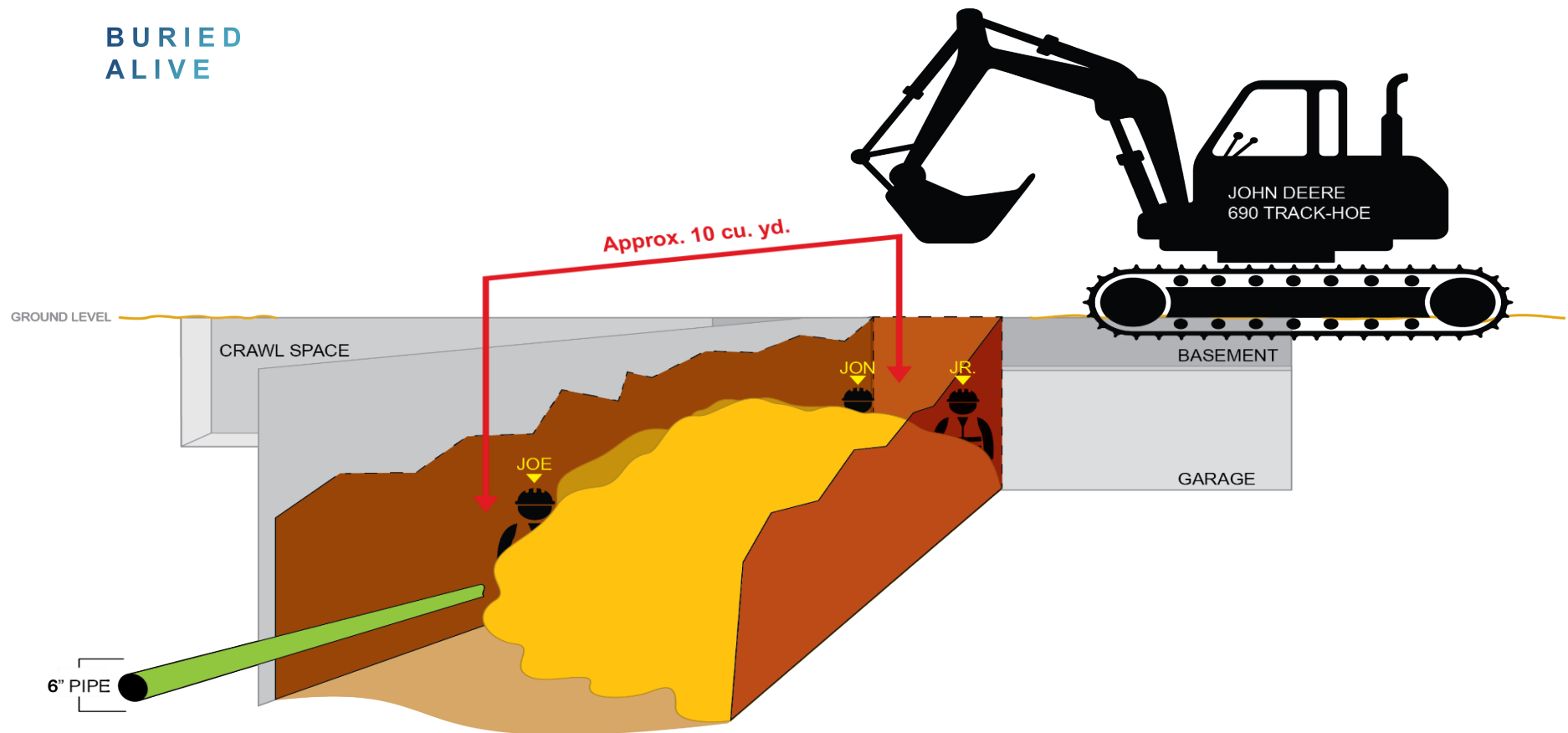


A dark, muddy trench or ditch is shown, with a pipe or hose lying on the left side. The bottom of the trench is covered in dark, wet mud and some small debris. The walls of the trench are also muddy and show some signs of erosion. The overall scene is dimly lit, with a somber and gritty atmosphere.

Is When It's Already Too Late

...and in that same moment you realize that even a single second is too late
to try and save them.

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Where it all
began

MY FAMILY THEN



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Many
years
later

MY FAMILY LATER



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BEST OF ALL

My Grandchildren



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My Story

Joe Tantarelli

These four states...

- ☐ Rushing
- ☐ Frustration
- ☐ Fatigue
- ☐ Complacency

***can cause or contribute to
these critical errors...***

- ☐ Eyes not on Task
- ☐ Mind not on Task
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***...which increase the
risk of injury.***

A photograph of a steep, eroded soil bank. The soil is light brown and shows signs of weathering and erosion, with various textures and layers visible. A blue arrow points to a specific area on the lower right side of the bank, labeled 'Weak Point'.

Weak
Point

My Story

Joe Tantarelli
**Critical Error Reduction
Techniques (CERT)**

- ✓ 1. Self-trigger on the state (or amount of hazardous energy) so you don't make a critical error.
2. Analyze close calls and small errors (to prevent agonizing over big ones).
3. Look at others for the patterns that increase the risk of injury.
- ✓ 4. Work on habits.



PROTECT WORKERS IN TRENCHES

Prevent trench
collapses and
save lives:

SLOPE or bench
trench walls,

SHORE trench walls
with supports, or

SHIELD trench
walls with trench boxes



Photo: Emergency
Production, NIOSH

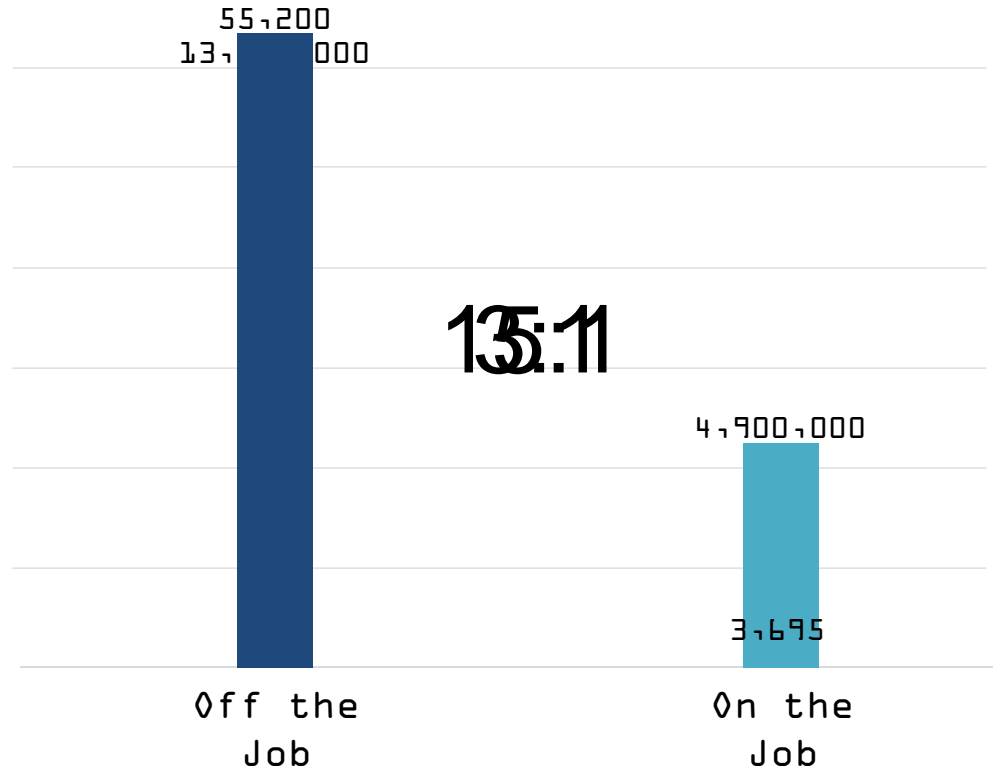
WWW.OSHA.GOV/TRENCHING • 800-321-OSHA (6742) • TTY 877-889-5627

0943125-0000

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Off the Job vs On the Job

Unfortunately, there are nearly **three times** as many off the job injuries as on the job injuries. And there are nearly **15 times as many** off the job fatalities as on the job fatalities.



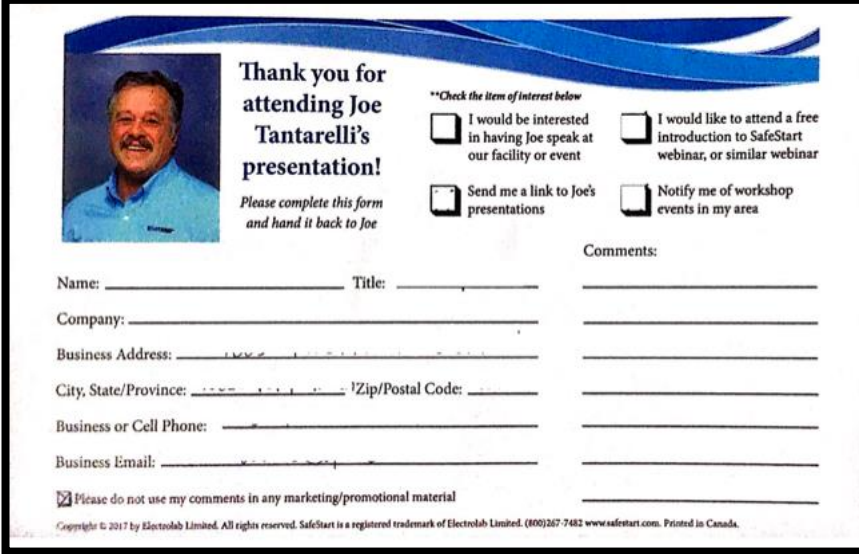
A Happy Survivor!



🎵 Clap Along if You Know What Happiness is to You! 🎵

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Please, fill out the Lead Sheet and be sure to add your comments!



The form is titled "Thank you for attending Joe Tantarelli's presentation!" and includes a photo of Joe Tantarelli. It contains several checkboxes for interests, a section for contact information, and a comments area. At the bottom, there is a checkbox for marketing consent and a copyright notice.

Thank you for attending Joe Tantarelli's presentation!

Please complete this form and hand it back to Joe

****Check the item of interest below**

☐ I would be interested in having Joe speak at our facility or event

☐ I would like to attend a free introduction to SafeStart webinar, or similar webinar

☐ Send me a link to Joe's presentations

☐ Notify me of workshop events in my area

Name: _____ Title: _____

Company: _____

Business Address: _____

City, State/Province: _____ Zip/Postal Code: _____

Business or Cell Phone: _____

Business Email: _____

Comments: _____

☒ Please do not use my comments in any marketing/promotional material

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You may leave it at your seat after filling it out.
Your input is greatly appreciated!



Joe Tantarelli

SAFESTART CONSULTANT/ PRESENTER

Thank you for your participation!